



Land Processes DAAC Update

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U.S. Department of the Interior
U.S. Geological Survey

Outline

- **Historical Context**
- **Summary Archive & Distribution Metrics**
- **FY07 Projects**
 - MRTWeb
 - Website Redesign
- **Other Focus Areas**
 - System Evolution
 - Science Activities
 - SAP to UWG



Historical Context



System	Design	Implement	Maintain	Evolve
Missions	TERRA	AQUA		SR
Collect's	C1	C3	C4	C5
Access	EDG	Data Pool	GloVis	
Tools & Services	MRT LDOPE		HEG	MRTWeb
		MRTswath		

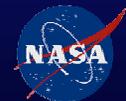


Public Holdings

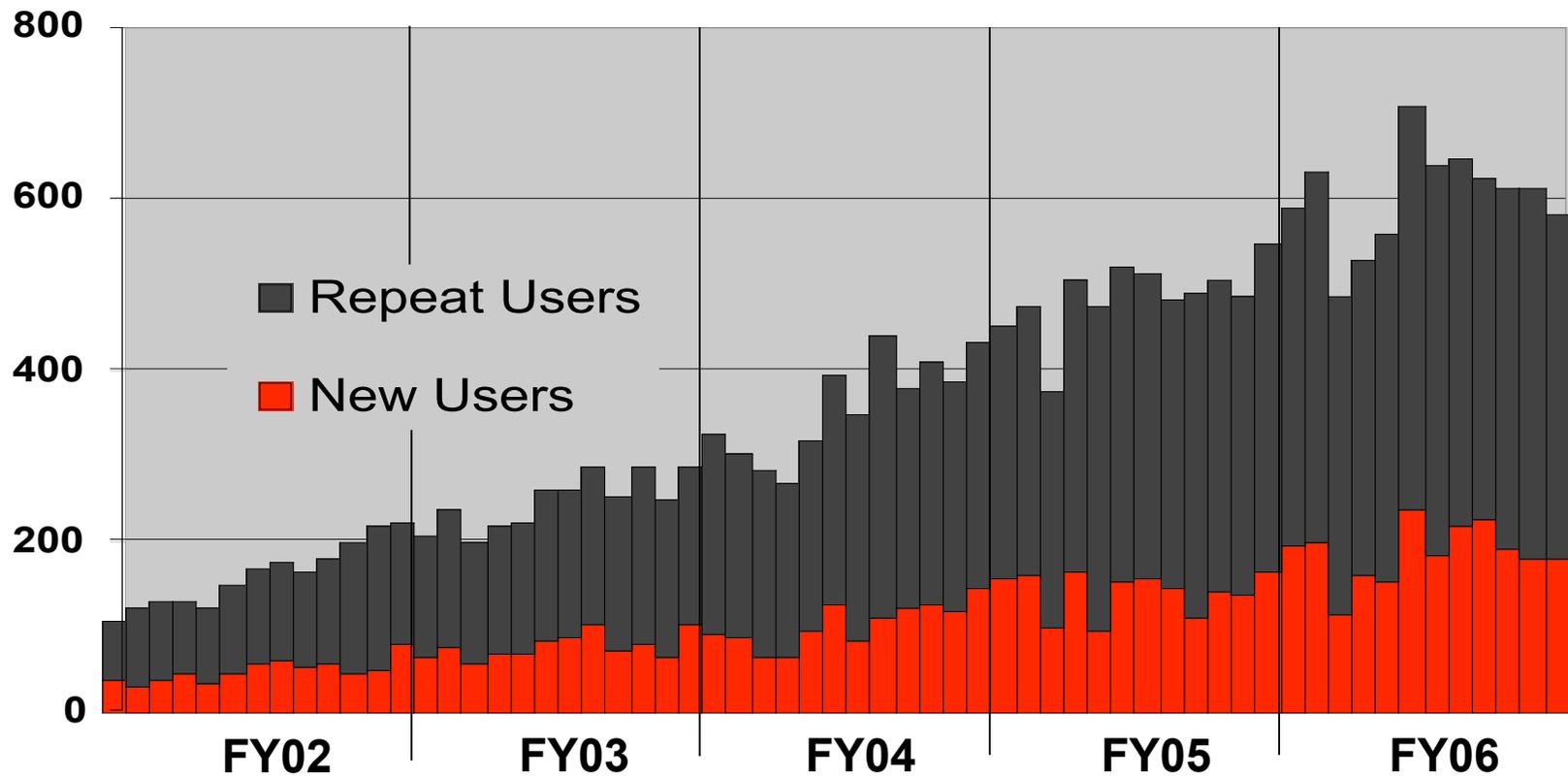
1.2 Petabyte Archive*

	MODIS Land	ASTER
Products	64	17 <i>14 on-demand</i>
Scenes	14 M	1 M
Online	25 TB	5 TB
Nearline	1100 TB	110 TB

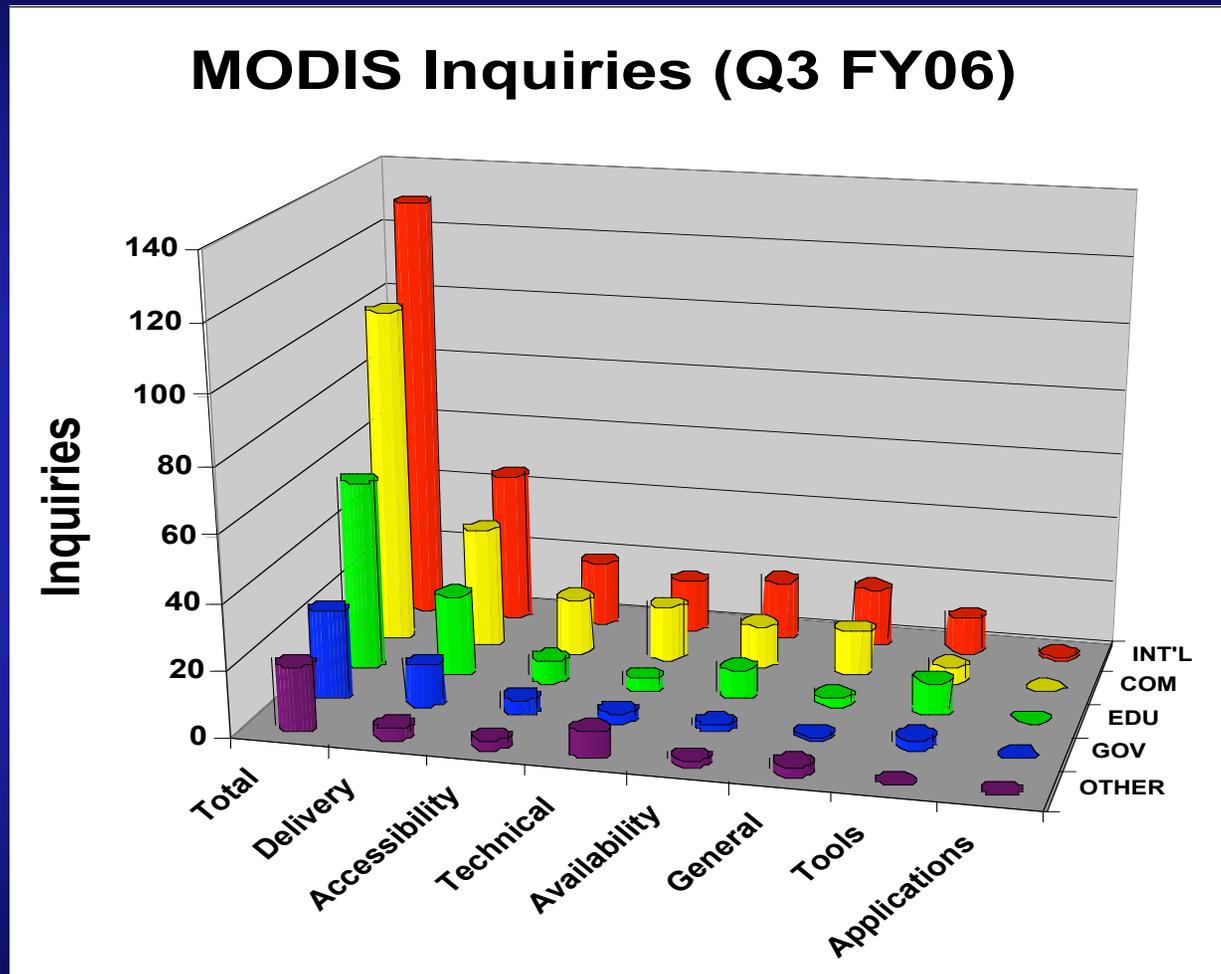
* Includes 2.4 TB of EOS Land Validation Data



MODIS Distribution (unique users / month)



Gauging User Community Needs



MRTWeb (FY07)

- **User need: Improved MODIS data discovery and delivery services**
 - Leverage existing GloVis and MRT code
 - Unified, Web-based user interface
 - Tile-based data discovery, mosaicking, spatial and band subsetting, reprojection, reformatting
 - Rapid development includes user feedback (beta target early CY07)



MRTWeb Concept

Discover

Visualize

Select

MRTweb

Sensor Resolution Map Layers Tools File Help

MODIS
H V: 10 0 Go
Lat: 36.0 -91.5 Go
Long:
Max Cloud: 100%
Scene Information:
ID: A2006257_H11V04_004
Cloud Cover: 0%
Date: 2006/9/14
Sep 2006 Go
Prev Scene Next Scene
MOD13A1 NDVI Scene List
MOD13A1_A2006257_H11V04_004
MOD13A1_A2006257_H11V05_004
MOD13A1_A2006257_H11V06_004
MOD13A1 NDVI 10000m No Limits Set

Select Bands
Define Spatial Subset
Select Output Projection
Select Resampling Method
Define Pixel Size
Select Output Format

PROCESS
Processing Status
GET DATA

Parameterize

Process

Monitor

Retrieve



Website Redesign (FY07)

- User Need: Improved access to MODIS information:
 - Streamline site navigation
 - Clarify product specifications & documentation
 - Provide clear pathway to appropriate data acquisition method
 - Communicate connection to the larger community
 - Communicate significance and impact of MODIS land data products
 - Institute additional user feedback mechanisms



Website Redesign Concept

The image displays two versions of the LP DAAC website. The left version is the current site, featuring a sidebar with a list of links including 'Ordering Tools', 'Data Pool', and 'What do I need?'. The right version is a redesign concept, featuring a large header image of a desert landscape, a search bar, and a navigation menu with 'COMMUNITY' highlighted. Red boxes highlight specific elements in both versions, such as the search bar and the 'COMMUNITY' link.

Current Website (Left):

- Search bar: search
- Navigation: LP DAAC HOME | GET DATA | ABOUT LP DAAC | COMMUNITY | CUSTOMER SERVICE
- Sidebar:
 - Ordering Tools
 - Geo Vie
 - Data Pool
 - EOS Data Gateway
 - What do I need?
 - Ordering notices
 - EOG Tutorial
 - Data Pool Tutorial
 - Order Customized ASTER Data
 - Purchasing
- Content: Data Pool
- Footer: This site is hosted by the USGS - NASA Distributed Active Archive Center...

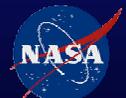
Redesign Concept (Right):

- Search bar: search
- Navigation: GET DATA | ABOUT LP DAAC | COMMUNITY | CUSTOMER SERVICE | PRODUCT INFORMATION
- Content: The Land Processes Distributed Active Archive Center (LP DAAC) was established as part of NASA's Earth Observing System (EOS) Data and Information System (EOSDIS) initiative to process, archive, and distribute land-related data collected by EOS sensors...
- Footer: USGS, NASA, ESIP, FIRST GOV



Science Activities (ongoing)

- Goal: Increase LP DAAC Science activities
 - Continue to seek and work projects based on external funding opportunities
 - Leverage USGS EROS and SDSU expertise and interests to build relevant partnerships



Transition SAP to UWG (FY07)

- Goal: Improve LP DAAC Science steering function (UWG)
 - In concert with NASA
 - Harmonize charter with other NASA User Working Groups
 - Refresh group composition
 - Establish structural relevance





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